

MINERAL RESOURCE MAP OF THE LAKE CLARK QUADRANGLE, ALASKA

U.S. Bureau of Mines,

of a roof pendant and inter- Eakin,

rocks of Tertiary age. Twenty

of seventy samples were ano-

malous in one or more metals.

he richest chips contained

lead, 27.7 ppm silver, and 75

0.32 percent copper, 0.1

disseminated and in

andesitic volcanic rocks.

have mineralization near

contacts and anomalous

metal values in stream

sediments of 1,800 ppm

copper,183 ppm molybdenum,

intrusive bodies reported to

fracture zones in

T. 1 N., 0 R. 27 W.

35 West Ospook

percent zinc, 0.09 percent

mediate volcanic and granitic area D, p. 17.

Resource Associates

of Alaska, 1976,

p. 60, 61.

of volcanic and hypabyssa

age. Interpreted by

or breccia pipe.

South Currant T. 2 N., O Cu (Au, Creek R. 25 W. Zn)

Currant Creek

T. 2 N., O Cu (Mo) Disseminated

P Au?

intrusive rocks of Tertiary

Alaska personnel as possibly

Marble and lime-silicate Resource Associate rocks in granitic rocks. of Alaska, 1976,

Weak mineralization near Resource Associates

contact between granitic of Alaska, 1976, p. 48.

related to a volcanic neck

Float boulders include

silicate veins and dioritic

tains disseminated pyrite

limestone with lime-

magnetite, and chalco-

pyrite. Stream-sediment

samples contain between

rocks of Tertiary and

Cretaceous ages.

one contained 0.4 ppm gold.

7 Bonanza Hills

Upper Bonanza

and 32 W.

Bonanza Creek and its

tributaries. Eakins and

cassiterite and tungsten

minerals in panned concen-trates. Production since

1912 probably no more than

3,000 troy ounces of gold.

and gold in panned stream

Quartz veins contain tetra-

Three channel samples across

long averaged 3 ounces silver

per ton and 0.5 percent com-

bined copper and lead. Two

other nearby veins yielded

similar values.

a zone of veins about 10 f

wide and at least 500 ft

Anomalous tin, tungsten,

chalcopyrite and pyrite

hedrite, arsenopyrite,

sive rock bodies.

with dacite porphyry.

has been discovered.

explosive vent breccia.

interpreted to be a possible

No ore grade mineralization

Disseminated, Weak pyrite and traces of Resource Associates

the filling of a breccia pipe. Cobb (1972, 1976) cited

to locate, in the vicinity of

numerous old reports of

mineral occurrences, many

not well enough described

this and the following

rocks that may be in part p. 37-38, 41-42, 45.

of Alaska, 1976, p. 39;

W.H. Nelson, H.D. King, J.E. Case, R.B. Tripp, W.D. Crim, and E.F. Cooley

Interior—Geological Survey, Reston, Va.—1985 For sale by Distribution Section, U.S. Geological Survey, Federal Bldg., Box 12, 101 Twelfth Avenue, Fairbanks, AK 99701, and Branch of Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, CO 80225

b High gold values in stream sediments (2).

Sources of information for the various criteria are: Nelson and others

(1983), geology; Eakins and others (1978), King and others (1985), Tripp and

²Locality numbers of deposits and occurrences listed in table 1 and shown on

ing, (1985), geochemistry; Case and Nelson (1985), aeromagnetics; and Steele